DIRECT HEATER CONTROL FOR INFANT CARE APPARATUS

Abstract

A heater control system for an infant warming apparatus. The apparatus has a radiant heater comprising a heating element that is energized by an electrical supply to emit radiant energy toward the infant on the platform. The power delivered to the heater element is directly ascertained by measuring the voltage across the heater element and the current passing through the heater element and by computing directly the actual power applied to the heater element. By knowing the actual power applied to the heater, that heater power can be more precisely controlled to a desired power level.